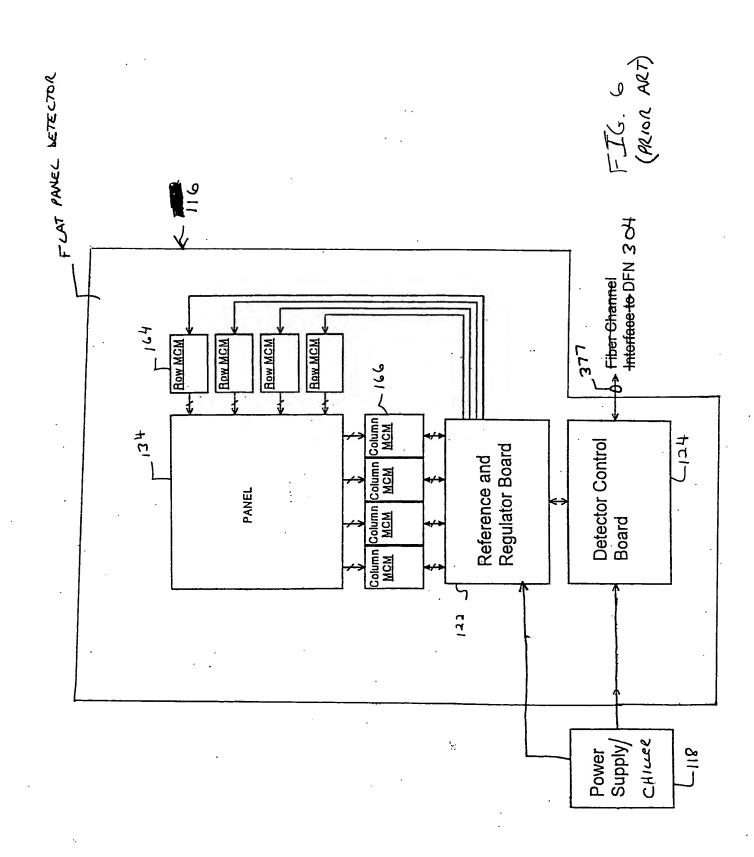
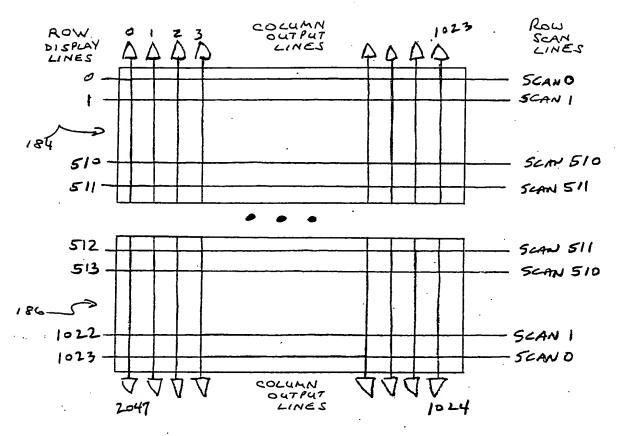


FIG S (RIOR ART)

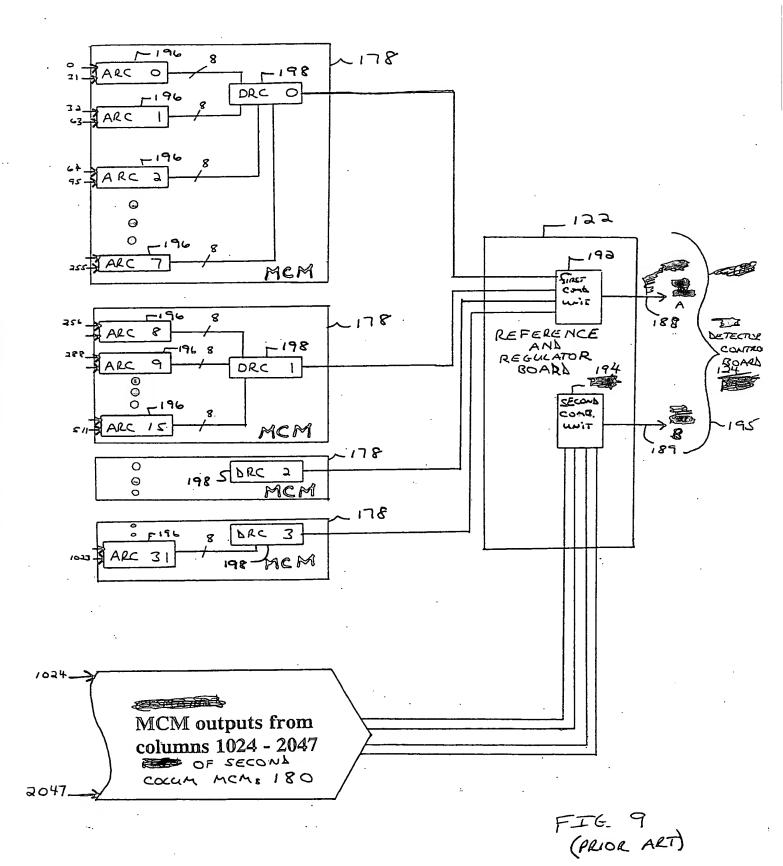


182

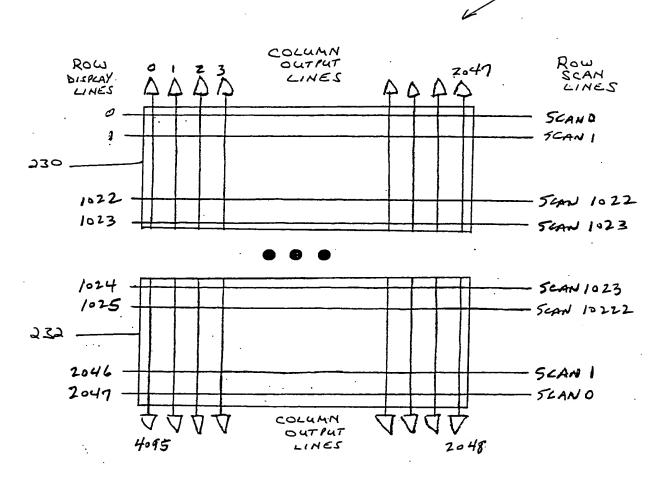


CARDIAC/SURGICAL DIGITAL X-RAY PANEL

FIG. 8 (PRIOR ART)



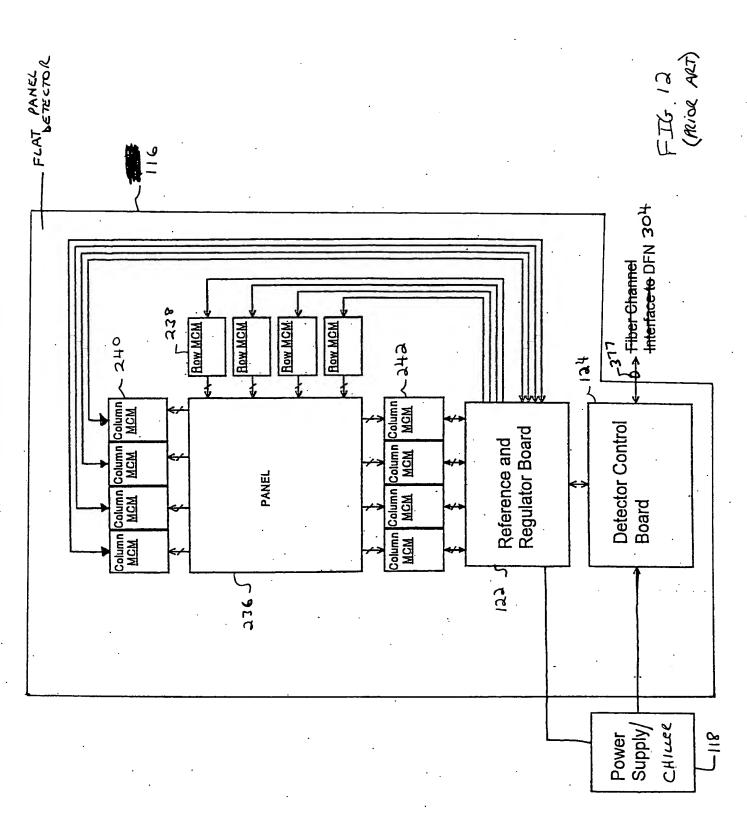
H. H. H. H. H. H. H. H. H. M. Long University of the graph of the state of the stat

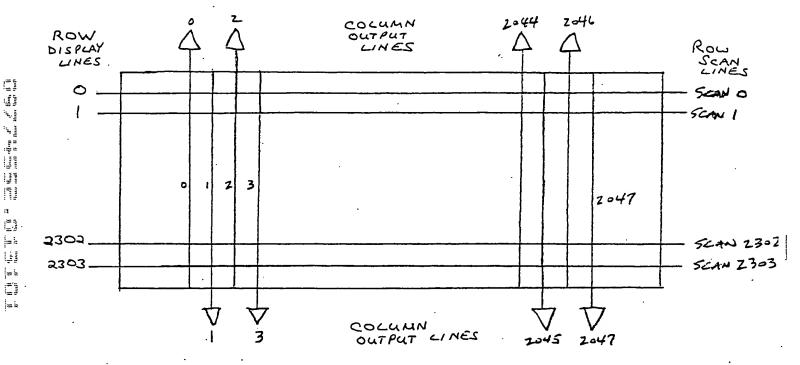


RADIOGRAPHY DIGITAL X-RAY PANEL

FIG. 11 (PRIOR ART)

228





MAMOGRAPHY DIGITAL X-RAY PANEL

FIG. 13 (PRIOR ART) W. H. R. H. G., W. H. B. J. And Sons Spin offers of the Bent Burn. Burn. Page 11. Spin Burn. Burn. Page 11. Spin Burn. Burn. Page 11. Spin Burn.

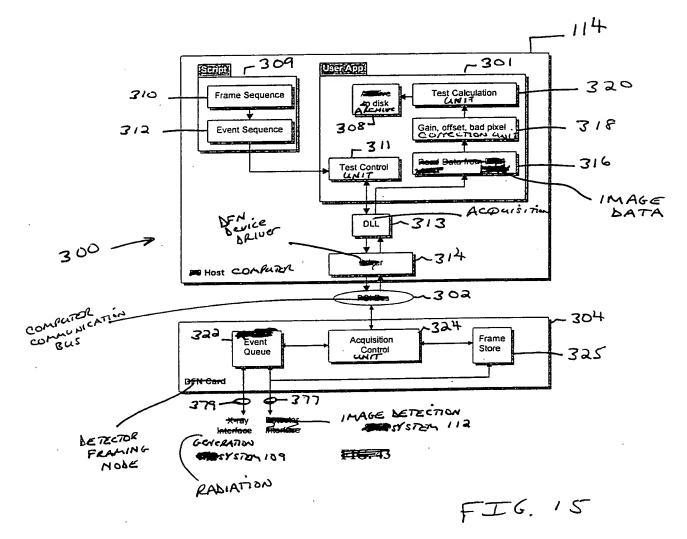
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## \\NTSERVER\WORK\1346\todd-DFN cases\drawing stuff\FIG. 15.doc



CABIATION GENERATION SYSTEM 358 FIG. 16 336 THAGE F Process Archive Display Library Library Library P01-Archive 图 <u>۔</u> ع 3085 40 E image detection An system 313 A. BM **LLS** ~ ~30g -330 Appropriation DLL Detector Framing T Driver JFN DEUICE AcquisiTibu User API Node 313 329 804<sup>L</sup> 133 Compiler Translator Binary File Script Event Perl software system for real time radioscopic imaging 339 338 C407 User Interface Simulator High Res. Display Event Excel

w:\1346\todd-dfn cases\drawings\dwg-01 (page 3)

W:\1346\todd-DFN cases\drawings\Universal Data Acquisition and Control Architecture.doc

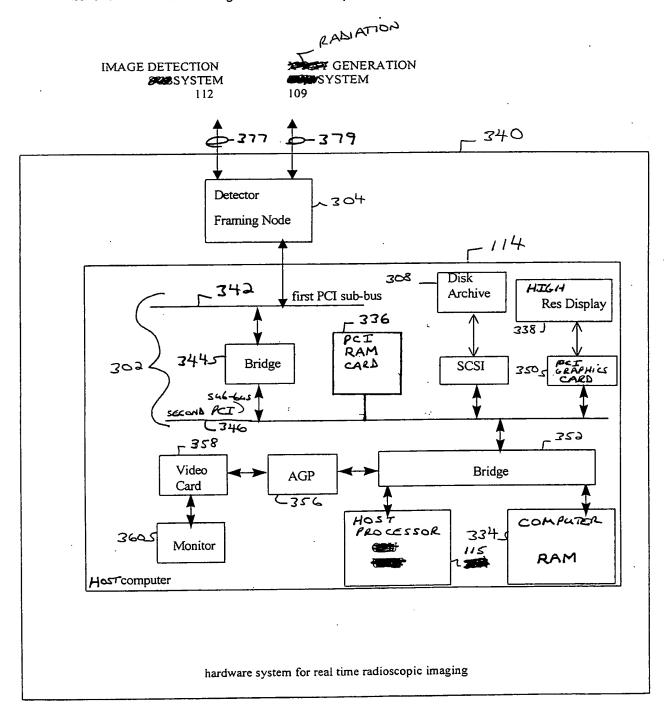
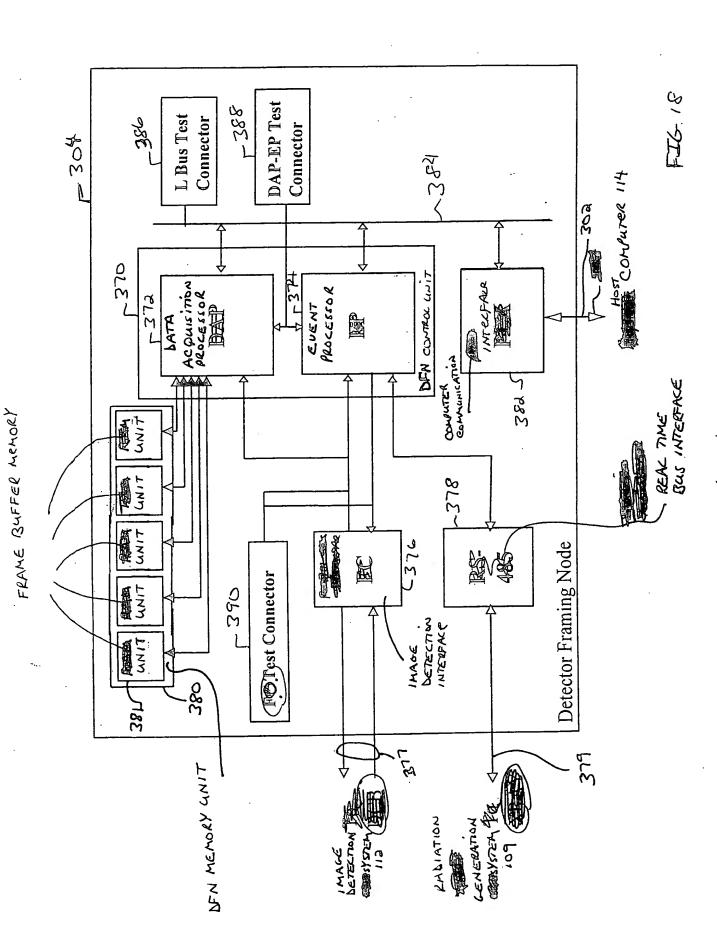


FIG. 17

"



WITHE /TOBB-DFN CASES/DRAWINGS/BUG-01 (Proc 2)

		(fm/sec) length	length	Latency	memory offset gbr	offset	gbr
PanelSetup	RealTime	30	unlimited	< 5 frames	host	none	
Single Frame	Post Process	•	•	Delay ~.1 sec	=	>	
Single Frame	Post Process	1		Delay ~.2 sec	=	>	>
Real Time	RealTime	œ	U n lim ited	< 5 frames	host	none	
RealTime	Real Time	ж - х	Unlim ited	< 5 frames	=	>	
RealTime	Real Time	ж -	U n lim ited	< 5 frames	=	>	>

FIG. 17

Modality	ım age size	Frames Stored host memory
Cardiac	1024 x 1024	200
Rad	2048 x 2048	50
Mammo	2304 x 2048	44

F16,20

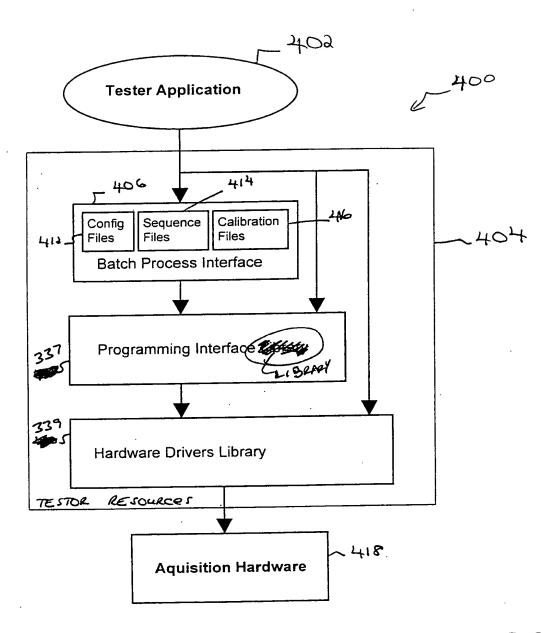
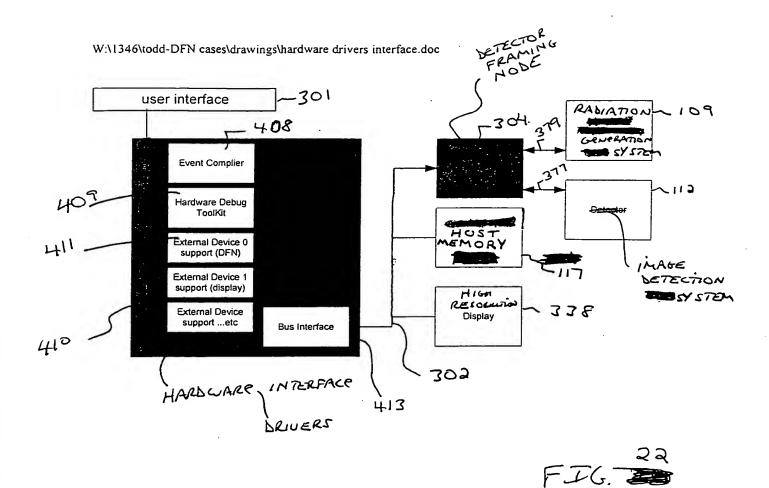


FIG. #21



W:\1346\todd-DFN cases\drawings\detector control board settings.doc

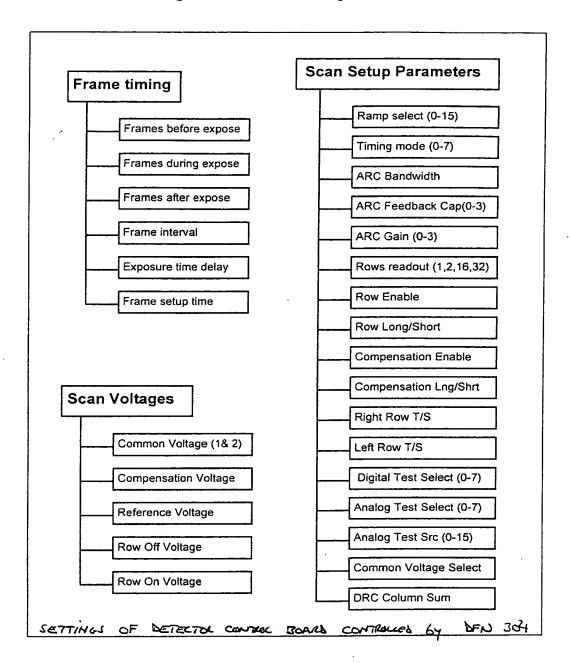
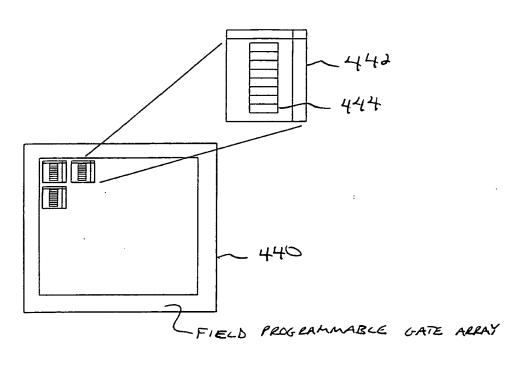


FIG. 23

\\NTSERVER\WORK\1346\todd-DFN cases\drawings\FPGA ARCHITECTURE.doc



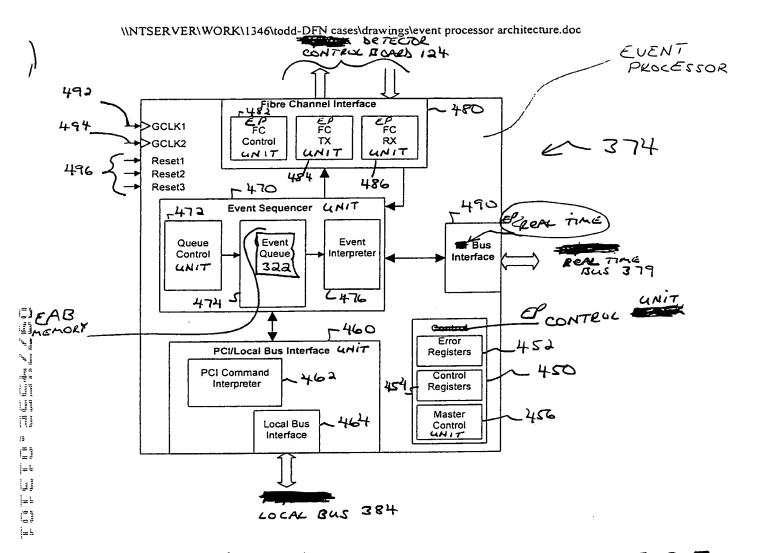
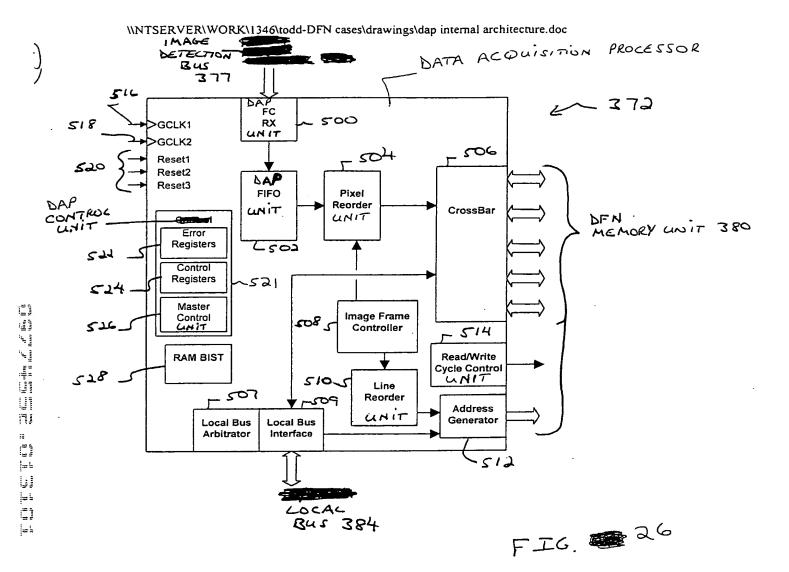
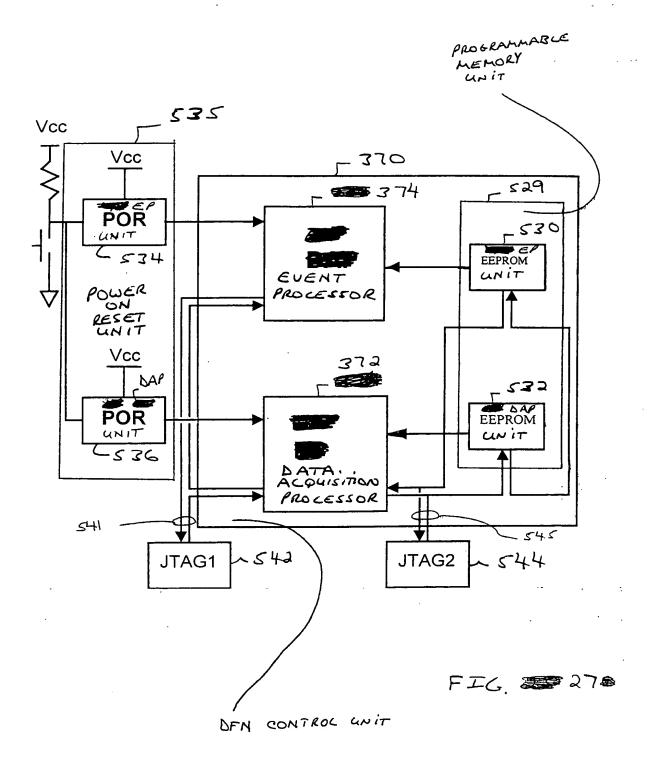


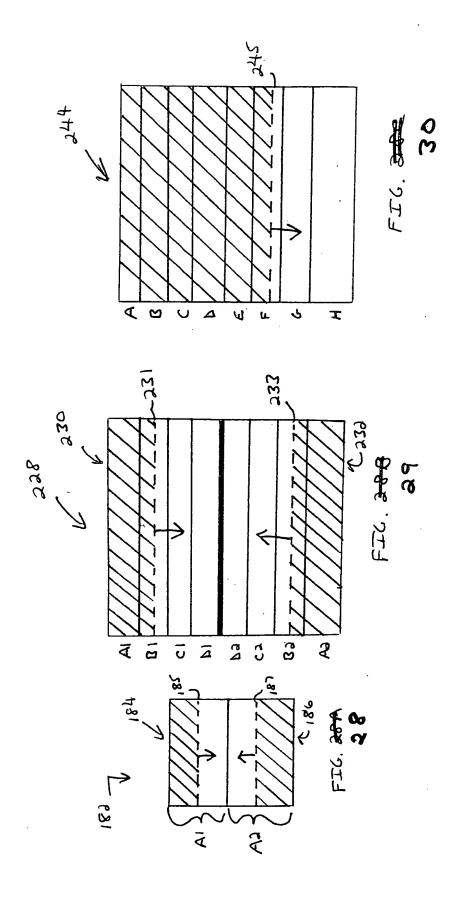
FIG. 25

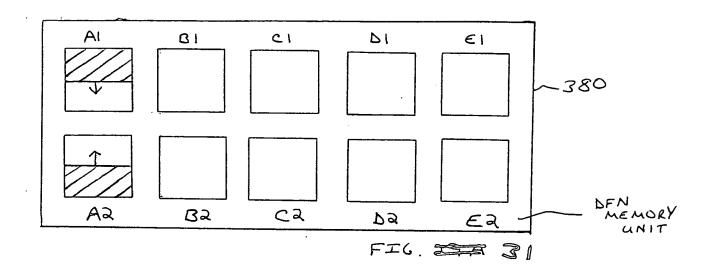


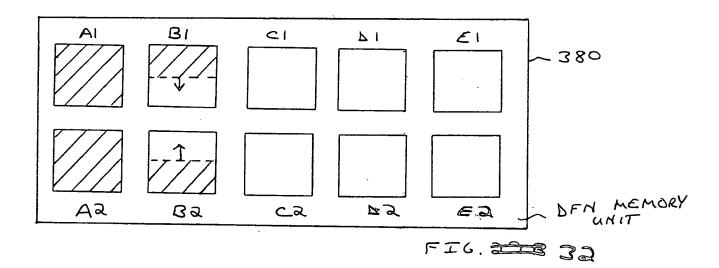
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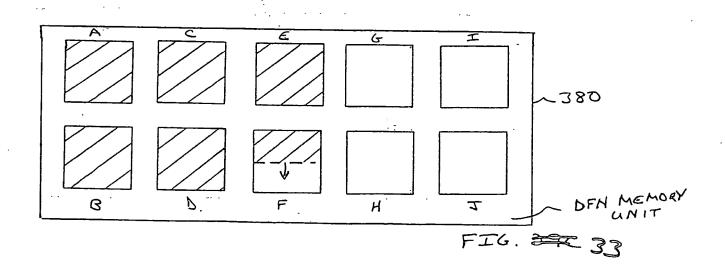
W:\1346\todd-DFN cases\drawings\fpga configuration.doc

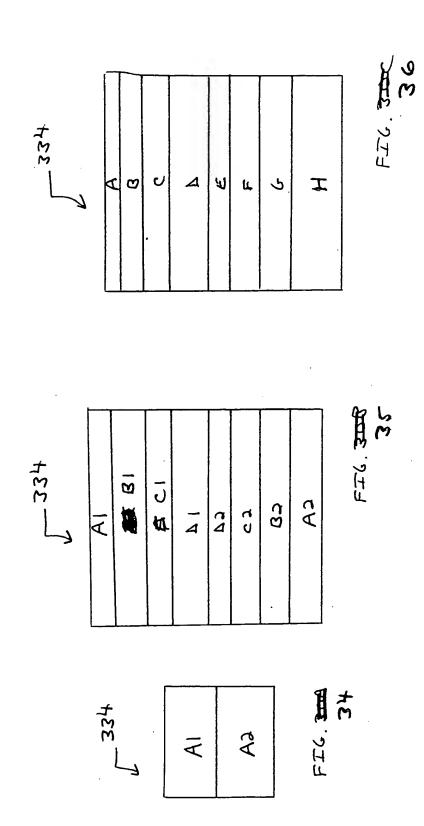




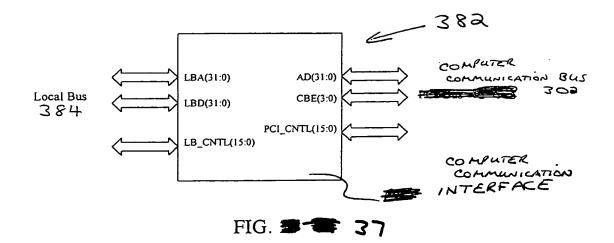


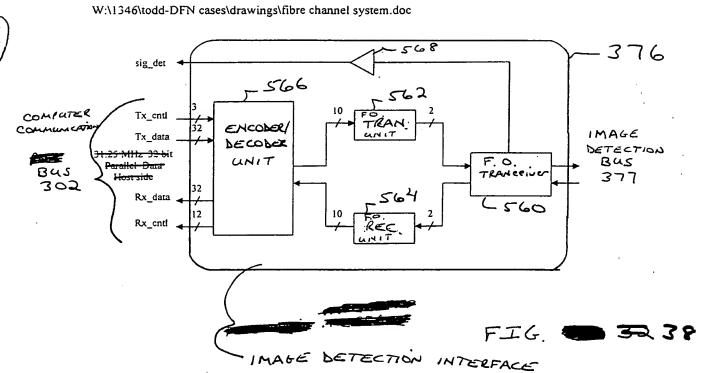




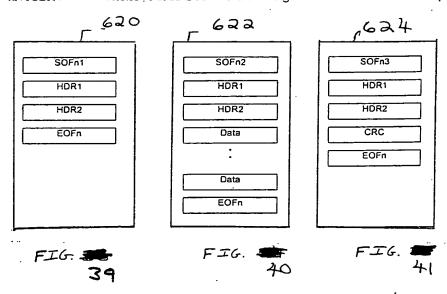


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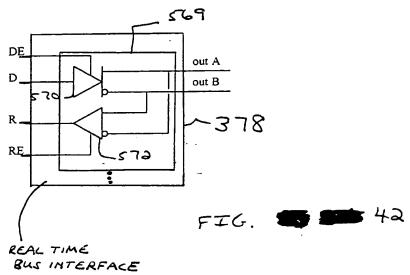


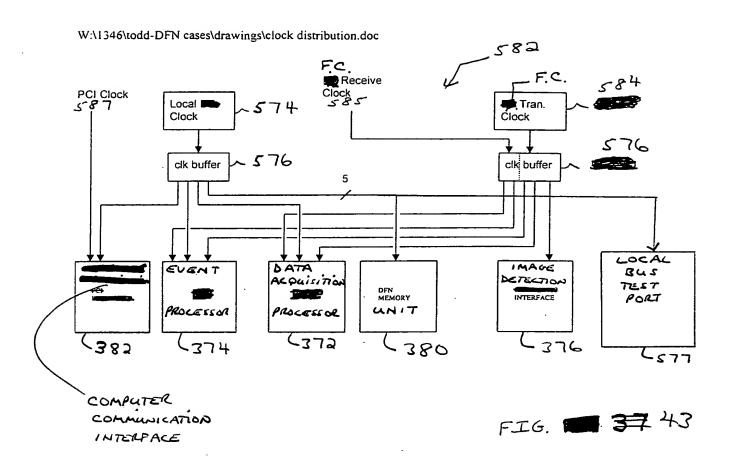


\\NTSERVFR\WORK\\\1346\todd-DFN cases\drawings\fibre channel transmission protocol.doc



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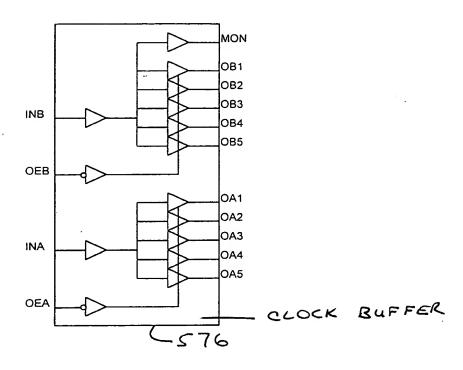
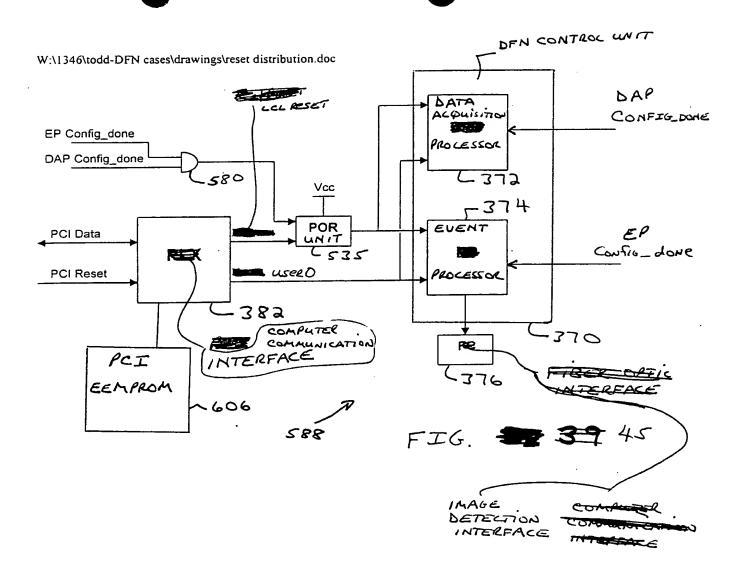
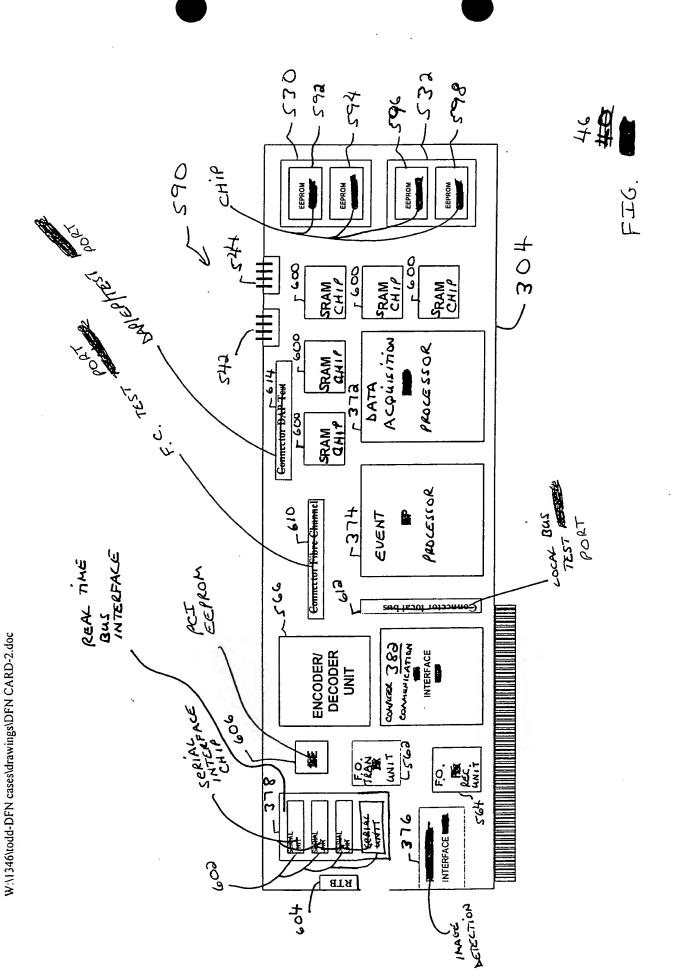
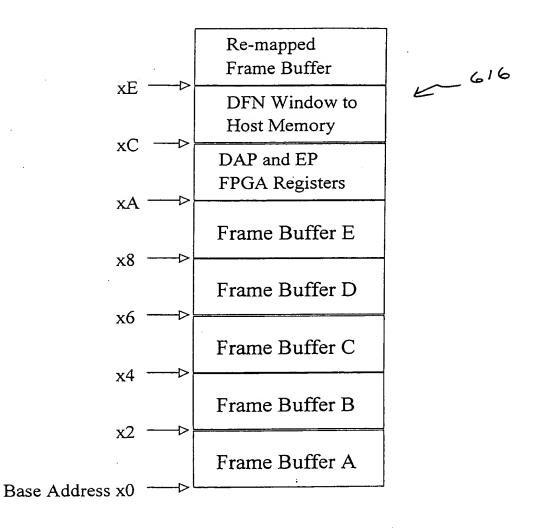


FIG. = \$44



2)





Mapping of 16 MByte PCI Address Space

FIG. 智切

#### W:\1346\todd-DFN cases\diagnostic.doc

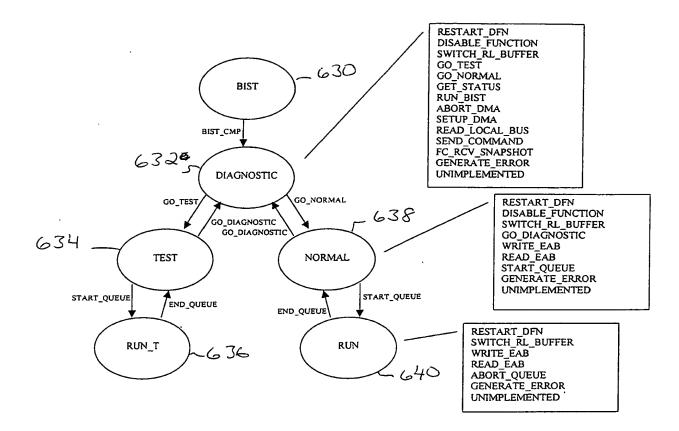
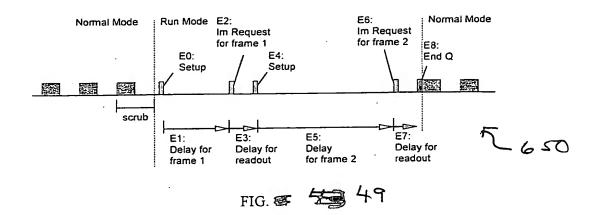


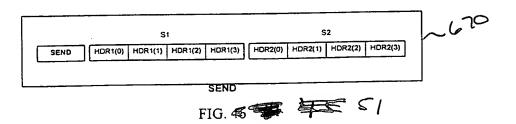
FIG. #148

## W:\1346\todd-DFN cases\drawings\q\_new-02.doc



Event Mnemonic	Event (showing size of arguments)	Op Code (hex)	Data (bytes)	Total (bytes)
Endq	Endq	14	0	1
Delay (T)	Delay (0xff ff ff ff)	10 .	4	5
Send (command, value)	Send (0xff ff ff ff, 0xff ff ff)	04	8	9
LoopKN (K, N)	LoopKN (0xff ff, 0xff)	0C	3	4
LoopKF (K, F)	LoopKF (0xff ff, 0xff ff ff)	0D	5	6
Wait (F)	Wait (0xff ff ff)	09	3	4
Flag (F)	Flag (0xff ff ff)	08	3	4

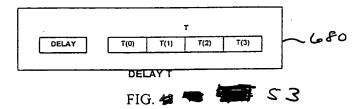
FIG. S S

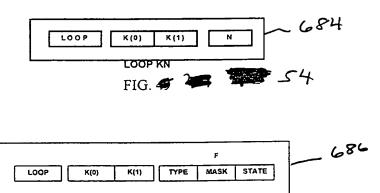


# W:\1346\todd-DFN cases\drawings\q\_new-02.doc

Error Mnemonic	Description of Error	
FC_TIMEOUT	Timeout expired with no ACK detected	
FC_BAD_ACK	ACK did not match transmitted command	
FC_EXTRA_ACK	Unexpected ACK received	
FC_EXTRA_CMD	New Send event while waiting for ACK from previous Send	
SIG_DETN	No input signal power on Fibre Channel (cable disconnected?)	£673
RXERROR	Fibre Channel receiver detected bad data (defective chipset?)	
WRDSYNCN	Fibre Channel Data link unsynchronized	
CRXS(I)	Bad Received CRC detected (Fiber-optic cable problem?)	
CRXS(3) and CRXS(2)	Bad order in link state machine (defective chipset?)	





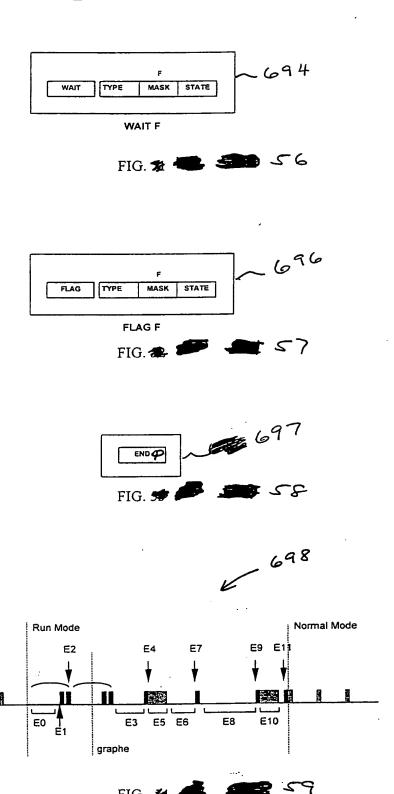


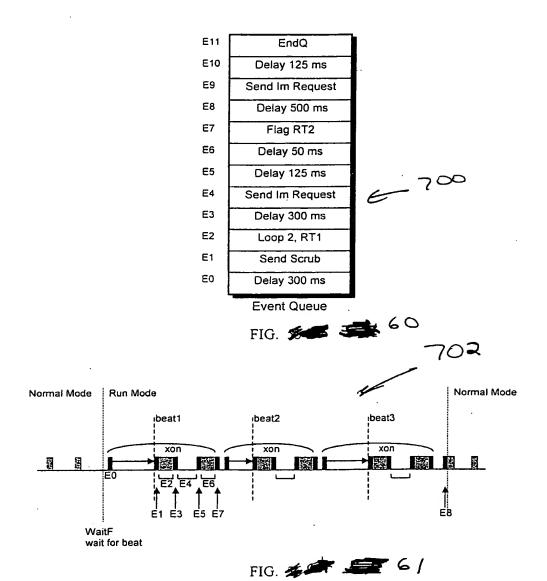
LOOP KF

FIG. 🛠 🐃 😘 55

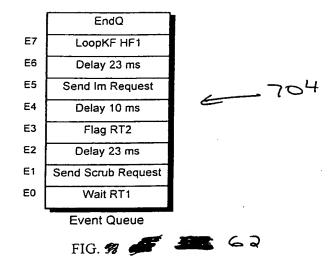
## W:\1346\todd-DFN cases\drawings\q\_new-02.doc

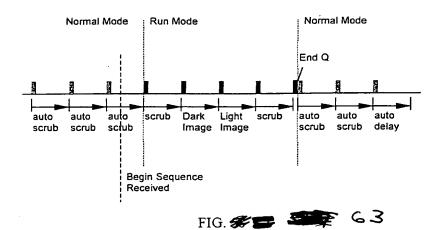
Normal Mode





### W:\1346\todd-DFN cases\drawings\q new-02.doc





```
sequence_begin ();

# define qv defaults:
%qv1 =('delay_qv' => 5000);

# call frame with qv's
frame_typel (NULL, \%qv1, 1);

sequence_end ();
```

```
sub frame
{
    $QVf = 'frame';
    $qv = ('delay_qv' => [10000]);
    $qp = ();
    compile_init(@_,\%qp,\%qv,$QVf);
    Delay('delay_qv');
    compile_finit();
}
```

FIG. 🖛 64

FIG. 🗶 65

```
pDFN->DFNChangeQueueVariable

(
    (char *)SymName, // variable name
    (char *)sndBuf, // new value
    BufSize, // num bytes to write
    (ULONG *)&debug // developer info
    );
```

FIG. 🖅 66

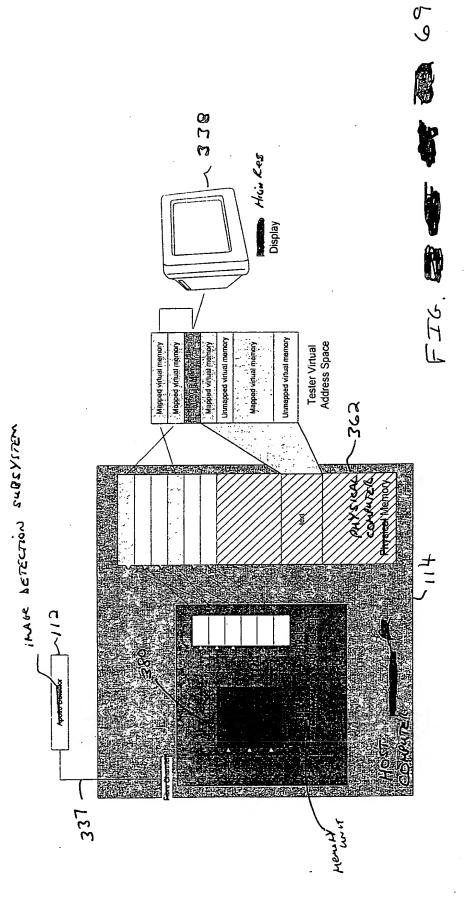
```
sub frame_typel
{
    $HFfrm = 'frame_typel';
    $qv = ('delay_qv' => [20000] );
    $qp = ();
    $image_cmd = [0x800000,0x0];
    compile_init(@_, \$qp, \$qv, $HFfrm);
    Send($image_cmd);
    Delay('delay_qv');
    LoopKF(2,0xAAFF01);
    compile_finit();
}
```

FIG. 67

FIG. 68

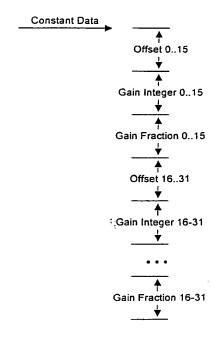
\\\NTSERVER\\WORK\\\346\todd-DFN cases\drawings\memory management architecture.doc



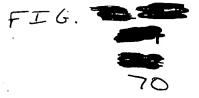




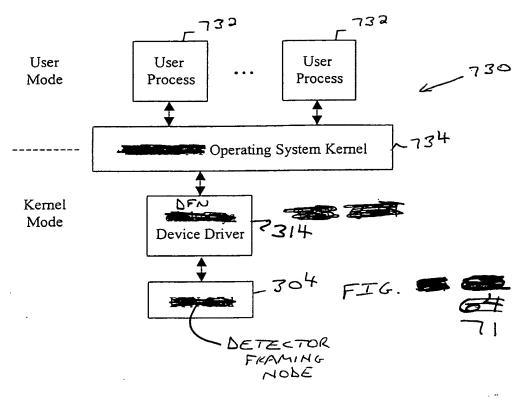
#### \\NTSERVER\WORK\1346\todd-DFN cases\drawings\Constant Memory Format.doc

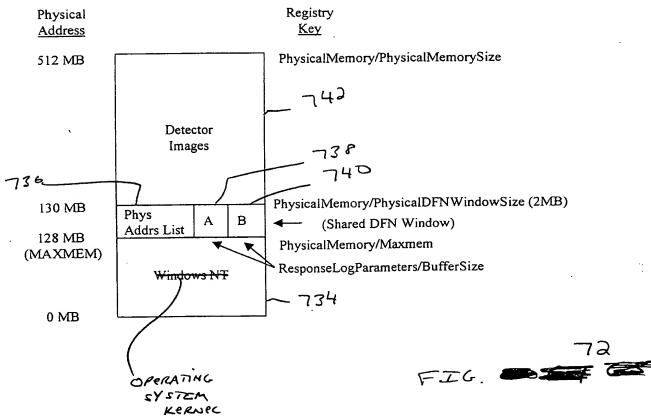


Constant Memory Format



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W:\1346\todd-DFN cases\drawings\windows environment.doc

